

# County of Androscoggin Maine

## Radio Communication Narrowband Transition Plan



August 10, 2011

**Fire Protection, Law Enforcement, Public Works/Highway,  
Emergency Management, Emergency Medical Services,  
Schools, Utilities and Healthcare Facilities**

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## **1. Purpose of Narrowband Transition Plan**

The clock ticks on towards the FCC Narrowband Communications requirements by which nearly everyone operating on today's wideband spectrum must be ready to "cut-over" to the mandated narrowband spectrum by midnight December 31, 2012. As demonstrated by the numerous planning meetings conducted by the County Emergency Management Agency staff and the Narrowband Transition Planner, much work has been done to comply with the mandate, yet there is still much work to do. There are licenses that still need to be modified, new licenses to be applied for, equipment to be programmed and new equipment to be purchased to replace non-compliant, outdated equipment.

With this in mind, this Countywide Narrowband Transition Plan is intended to provide each affected public safety agency, school system and health care organization with a picture of where everyone is in the narrowband transition process and to ensure that each of you is ready to "cut-over" on November 1, 2012 to coincide with the State of Maine's narrowband transition date.

## **2. Planning Process and Plan Development**

Androscoggin EMA will host and coordinate the development of the Androscoggin County Radio Communications Narrowband Transition plan. The County EMA Office will also coordinate periodic reviews and updates to the Plan.

Participation, support and approval by a representative of each public safety entity, emergency services entity, schools, healthcare facilities, public works/highway department, parks and recreation, solid waste, sewer and water department is necessary in order to develop and implement this plan.

Periodic surveys will be distributed by the Androscoggin EMA office to each entity listed in order to collect necessary information. It is vital that each entity complete and return this information in a timely manner.

## Androscoggin County Radio Communications Plan

### 3. Androscoggin County Communications Working Group

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## Androscoggin County Radio Communications Plan

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#### **4. Current PSAP's**

##### **a. Public Safety Answering Points/Dispatch Centers**

- Lewiston/Auburn 911**
- Androscoggin County SO**
- Lisbon Police**

#### **5. Radio Caches**

- EMA Office**
- Mobile Communications Van**
- HAZ-MAT COBRA Team**



Androscoggin County Radio Communications Plan

## 6. Current Radio Inventories per Entity

Public Safety Entity	Make & Model, Quantity (Mobiles, Portables, Base)	Narrowband	
		Yes	No
<u>Auburn Park REC</u> Not Programmed Narrowband	Motorola M1225 (02)	X	
	Motorola Radius (03)	X	
	Motorola SM50 (01)		X
	Motorola P1225 (02)	X	
<u>Auburn PW</u> Not Programmed Narrowband	Motorola CM200 (29)	X	
	Motorola Maratrac (05)		X
	Motorola Maxar (02)		X
	Motorola M1225 (22)	X	
	Motorola XTL2500 (07)	X	
	Motorola M100 (03)		X
	Motorola SM50 (01)		X
	Motorola M120 (01)		X
Motorola CP200 (06)	X		
<u>Auburn School</u> Not Programmed Narrowband	Kenwood TK8102H (07)	X	
	Kenwood TK862HG (14)	X	
	Kenwood TK8160H (06)	X	
	Kenwood TK880H (01)	X	
	Kenwood TK862 (02)	X	
	Motorola M1225 (03)	X	
	Kenwood TK880 (02)	X	
	Kenwood TK8302 (01)	X	
	GE MLS (06)		X
	Kenwood TK380 (03)	X	
	Kenwood TK372G (01)	X	
	Motorola CP185 (02)	X	
	Kenwood TK3160 (04)	X	
	Motorola CM300 (01)	X	
	Motorola TRBO (02)	X	
Kenwood TKR850 (01)	X		

**Androscoggin County Radio Communications Plan**

<b>Public Safety Entity</b>	<b>Make &amp; Model, Quantity (Mobiles, Portables, Base)</b>	<b>Narrowband</b>	
		<b>Yes</b>	<b>No</b>
<b><u>Andro SO</u></b>	Motorola XTS1500 (17)	X	
<b>Not Programmed</b>	Kenwood TK5710 (02)	X	
<b>Narrowband</b>	Vertex VX7200 (01)	X	
	Kenwood TK5210 (04)	X	
	Motorola XTS3000 (06)	X	
	Motorola XTS1500 (09)	X	
	Motorola HT1550 (13)	X	
	Motorola MTR2000 (01)	X	
	GE M/A Mastr3 (02)		X
<b><u>Andro Jail</u></b>			
<b>Not Programmed</b>			
<b>Narrowband</b>	Motorola XTL2500 (04)	X	
	Motorola CDM1550 (01)	X	
	Motorola XTS1500 (30)	X	
<b><u>Andro EMA</u></b>	Motorola MCS2000 (02)	X	
<b>Not Programmed</b>	Motorola Maxtrac 50 (01)		X
<b>Narrowband</b>	Motorola Maxar 50 (02)		X
	Motorola Vertex VX7200 (03)	X	
	Motorola XTL2500 (06)	X	
	Motorola Astro T99DX (02)	X	
	Motorola Quantar (01)	X	
	Motorola XTS2500 (08)	X	
	Vertex P924 (02)	X	
<b><u>CMMC</u></b>	Vertex FTL2011 (01)	X	
<b>Not Programmed</b>	ICOM ICF33GS (18)	X	
<b>Narrowband</b>	Motorola CP200 (21)	X	
	ICOM F21/S (01)	X	
	M/A COM Mastr3 (02)	X	
	Motorola Micor (01)		X

**Androscoggin County Radio Communications Plan**

<b>Public Safety Entity</b>	<b>Make &amp; Model, Quantity (Mobiles, Portables, Base)</b>	<b>Narrowband</b>	
		<b>Yes</b>	<b>No</b>

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<b><u>Durham FD</u></b>	<b>Motorola M1225 (02)</b>	<b>X</b>	
<b>Not Programmed</b>	<b>Kenwood TK780 (01)</b>	<b>X</b>	
<b>Narrowband</b>	<b>Kenwood TK760 (03)</b>	<b>X</b>	
	<b>Kenwood TK7150 (01)</b>	<b>X</b>	
	<b>Vertex VX7200 (01)</b>	<b>X</b>	
	<b>Motorola HT750 (07)</b>	<b>X</b>	
	<b>Kenwood TK2140 (04)</b>	<b>X</b>	
	<b>Kenwood TK2180 (12)</b>	<b>X</b>	
	<b>Kenwood TK280 (09)</b>	<b>X</b>	
	<b>Kenwood TK272 (15)</b>	<b>X</b>	
	<b>Kenwood TK2160 (03)</b>	<b>X</b>	
	<b>Kenwood TK2170 (06)</b>	<b>X</b>	
	<b>Vertex VXP924 (02)</b>	<b>X</b>	
	<b>Kenwood TK790 (01)</b>	<b>X</b>	

<b><u>Greene FD RES</u></b>	<b>Motorola CM200 (29)</b>	<b>X</b>	
<b>Programmed</b>	<b>Motorola Maratrac (05)</b>		<b>X</b>
<b>Narrowband</b>	<b>Motorola Maxar (02)</b>		<b>X</b>
	<b>Motorola M1225 (22)</b>	<b>X</b>	
	<b>Motorola XTL2500 (07)</b>	<b>X</b>	
	<b>Motorola M100 (03)</b>		<b>X</b>
	<b>Motorola SM50 (01)</b>		<b>X</b>
	<b>Motorola M120 (01)</b>		<b>X</b>
	<b>Motorola CP200 (06)</b>	<b>X</b>	

<b><u>L/A 911</u></b>	<b>Motorola XTS3000 (06)</b>	<b>X</b>	
<b>Not Programmed</b>	<b>Motorola T5366A (05)</b>	<b>X</b>	
<b>Narrowband</b>	<b>Motorola XTL-5000 (04)</b>	<b>X</b>	
<b>(in Progress)</b>	<b>Motorola Spectra L99ZX (05)</b>	<b>X</b>	

**Androscoggin County Radio Communications Plan**

<b>Public Safety Entity</b>	<b>Make &amp; Model, Quantity (Mobiles, Portables, Base)</b>	<b>Narrowband</b>	
		<b>Yes</b>	<b>No</b>

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<u>Leeds FD</u>	Motorola CM300 (02)	X	
Not Programmed	Motorola M1225 (08)	X	
Narrowband	Vertex VX7200 (01)	X	
	Vertex VX350 (02)	X	
	Motorola HT1550 (01)	X	
	Motorola HT1250 (02)	X	
	Kenwood TK280 (07)	X	
	Motorola CM300 (02)	X	
	Motorola CM200 (01)	X	
	Motorola GR500 (01)	X	

<u>Lewiston PD</u>	Motorola Spectra (45)	X	
Not Programmed	Motorola XTL5000 (03)	X	
Narrowband	Motorola XTS3000 (16)	X	
	Motorola XTX2500 (58)	X	
	Motorola XTX2501 (01)	X	
	Motorola XTX2502 (01)	X	
	Motorola XTX2503 (01)	X	
	Motorola XTX2504 (01)	X	
	Motorola XTX2505 (01)	X	
	Motorola XTX2506 (01)	X	

<u>Lewiston FD</u>	Motorola Spectra (14)	X	
Not Programmed	Motorola XTS3000 (34)	X	
Narrowband	Motorola XTS5000 (10)	X	
	Motorola XTS2500 (09)	X	

**Androscoggin County Radio Communications Plan**

<b>Public Safety Entity</b>	<b>Make &amp; Model, Quantity (Mobiles, Portables, Base)</b>	<b>Narrowband</b>	
		<b>Yes</b>	<b>No</b>

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<u>Lewiston Sch</u>	Motorola MAG1 (44)		X
Not Programmed	Motorola CP200 (05)	X	
Narrowband	Maxon SP120 (08)		X
	Motorola SP50 (03)	X	
	Motorola XTL2500 (07)	X	
	Cobra Micro (04)		X
	Kenwood TK372 (03)		X
	Kenwood TK360 (12)		X
	Kenwood TK3302 (07)	X	
	Maxon SP2000 (04)		X

<u>Lewiston PW</u>	Motorola SM50 (01)		X
Not Programmed			
Narrowband	Motorola GM300 (01)		X
	Uniden SMU250 (02)		X
	Kenwood mobile (01)	X	
	ICOM mobile (05)		X
	EF Johnson mobile (02)		X
	Vertex mobile (11)	X	
	Motorola portable (04)	X	
	Vertex portable (13)	X	
	GE portable (02)		X
	Uniden portable (01)		X
	ICOM portable (04)	X	
	Kenwood portable (03)	X	
	EFJ portable (02)		X
	Midland portable (01)		X
	TAIT portable (01)	X	
	Vertex base (07)	X	
	Kenwood base (02)	X	
	ICOM base (02)	X	
	EFJ base (01)		X
	Motorola base (01)	X	

**Androscoggin County Radio Communications Plan**

<b>Public Safety Entity</b>	<b>Make &amp; Model, Quantity (Mobiles, Portables, Base)</b>	<b>Narrowband</b>	
		<b>Yes</b>	<b>No</b>
<u>Lisbon Emerg</u>	Kenwood TK790 (01)	X	
Not Programmed	Vertex VX6000 (01)	X	
Narrowband	Motorola XTS1500 (07)	X	
	Motorola P1225 (03)	X	
	Motorola XTS2500 (06)	X	
	Kenwood TK 2140 (01)	X	
	TAIT TP8155 (03)	X	
	Motorola Astro base (03)	X	
<u>Lisbon FD</u>	Motorola M1225 (07)	X	
Not Programmed	Kenwood TK 790 (07)	X	
Narrowband	Kenwood TK2180 (41)	X	
	Kenwood TK290 (11)	X	
	Motorola GM300 (02)		X
<u>Lisbon PD</u>	Kenwood TK790 (02)	X	
Not Programmed	Motorola XTL1500 (01)	X	
Narrowband	Motorola M1225 (01)	X	
	Motorola XTL2500 (08)	X	
	Kenwood TK290 (19)	X	
	Vertex portable (02)		X
	Motorola MSR200 (02)	X	
	Motorola Micor (01)		X
<u>Lisbon PW SW</u>	Motorola M216 (02)		X
Not Programmed	Motorola M1225 (18)	X	
Narrowband	Motorola CP200 (02)	X	
	Kenwood TK290 (02)	X	
	Motorola SM50 base (02)		X

**Androscoggin County Radio Communications Plan**

<b>Public Safety Entity</b>	<b>Make &amp; Model, Quantity (Mobiles, Portables, Base)</b>	<b>Narrowband</b>	
		<b>Yes</b>	<b>No</b>

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<u>Lisbon Water</u>	Teledesign TS4000 (05)	X	
Programmed Narrowband			

<u>Livermore HW</u>	Motorola CM200 (04)	X	
Not Programmed	Motorola M1225 (02)	X	
Narrowband	Motorola M120 (01)	X	

<u>Livermore FD</u>	Motorola mobile (03)	X	
Not Programmed	Kenwood TK280 (03)	X	
Narrowband	Kenwood TK272 (05)	X	
	Motorola M1225 (22)	X	
	Motorola XTL2500 (07)	X	
	Motorola M100 (03)		X
	Motorola SM50 (01)		X
	Motorola M120 (01)		X
	Motorola CP200 (06)	X	

**Androscoggin County Radio Communications Plan**

<b>Public Safety Entity</b>	<b>Make &amp; Model, Quantity (Mobiles, Portables, Base)</b>	<b>Narrowband</b>	
		<b>Yes</b>	<b>No</b>

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<u>Liv Falls PD</u>	Motorola CDM155 (01)	X	
Not Programmed	Motorola Spectra (01)		X
Narrowband	Kenwood TK790 (04)	X	
	Motorola CP200 (07)	X	
	Kenwood TK280 (05)	X	
	Motorola M216 (01)		X
	Kenwood TK790 (01)	X	
	Kenwood TKR750 (03)	X	
	Kenwood TK 762 (03)	X	
	Kenwood TK 730 (02)		X

<u>Liv Falls PW</u>	Motorola CM200 (03)	X	
Not Programmed	Motorola M1225 (02)	X	
Narrowband	Motorola SM50 (01)		X
	Vertex (01)		X
	Kenwood TK7102 (02)	X	
	Vertex port (02)		X
	Kenwood TK 280 (01)	X	
	Motorola M1225 (01)	X	

<u>Liv Falls School</u>	Motorola CM200 (17)	X	
	Motorola M1225 (05)	X	
Not Programmed	Motorola SM50 (01)		X
Narrowband	Kenwood TK760 (02)	X	
	Kenwood TK762 (01)	X	
	Motorola M100 (03)		X
	Motorola SM50 (01)		X
	Motorola M120 (01)		X
	Motorola CP200 (06)	X	



**Androscoggin County Radio Communications Plan**

<b>Public Safety Entity</b>	<b>Make &amp; Model, Quantity (Mobiles, Portables, Base)</b>	<b>Narrowband</b>	
		<b>Yes</b>	<b>No</b>

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<u>Liv Falls Sewer</u>	Motorola SM50 (01)		X
Not Programmed	Motorola HT90 (01)		X
Narrowband			

<u>Liv Falls Water</u>	Motorola CM200 (03)	X	
Not Programmed	Motorola GP300 (01)		X
Narrowband	Motorola P1225 (01)	X	
	Motorola CM300 (01)	X	

<u>Minot FD</u>	Motorola CM300 (01)	X	
Programmed	Motorola M1225 (05)	X	
Narrowband	Motorola CDM1250 (01)	X	
	Vertex VX4204 (03)	X	
	Vertex VX3200 (04)	X	
	Vertex VX7200 (02)	X	
	Vertex VX4107 (01)	X	
	Kenwood TK280 (01)	X	
	Relm RPV599 (01)		X
	Vertex VX180 (11)	X	
	Vertex VX160 (03)	X	
	Vertex VX924 (05)	X	
	Vertex VX424 (01)	X	

**Androscoggin County Radio Communications Plan**

<b>Public Safety Entity</b>	<b>Make &amp; Model, Quantity (Mobiles, Portables, Base)</b>	<b>Narrowband</b>	
		<b>Yes</b>	<b>No</b>

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<u>Poland FD RESC</u>	Motorola CM300 (06)	X	
Programmed	Motorola M1225 (02)	X	
Narrowband	Motorola MCS2000 (02)	X	
	Motorola XTL2500 (01)	X	
	Motorola 1550 (03)	X	
	Motorola HT750 (05)	X	
	Motorola HT1000 (02)	X	
	Motorola XTS2500 (05)	X	
	Motorola PR400 (23)	X	
	Motorola MTR2000 (01)	X	
<u>Sabattus EMA</u>	Motorola M1225 (02)	X	
Not Programmed	Kenwood TK2170 (01)	X	
Narrowband			
<u>Sabattus FD</u>	Vertex VX7200 (07)	X	
Not Programmed	Kenwood TK790 (06)	X	
Narrowband	Vertex VX231 (17)	X	
	Kenwood TK272 (02)	X	
	Kenwood TK280 (01)	X	
	Kenwood TK290 (02)	X	
	Motorola GP300 (06)		X
	Vertex VX7200Base (01)	X	

**Androscoggin County Radio Communications Plan**

<b>Public Safety Entity</b>	<b>Make &amp; Model, Quantity (Mobiles, Portables, Base)</b>	<b>Narrowband</b>	
		<b>Yes</b>	<b>No</b>

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<b><u>Sabattus Sanitary</u></b>	<b>Linear Corp (03)</b>		<b>X</b>
<b>Not Programmed</b>	<b>Motorola Talk About (02)</b>		<b>X</b>
<b>Narrowband</b>			

<b><u>Sabattus PD</u></b>	<b>Kenwood TK5710 (02)</b>	<b>X</b>	
<b>Programmed</b>	<b>Kenwood TK5720 (01)</b>	<b>X</b>	
<b>Narrowband</b>	<b>Kenwood P25 mob (03)</b>	<b>X</b>	
	<b>Kenwood TK290 (20)</b>	<b>X</b>	
	<b>Kenwood TK280 (01)</b>	<b>X</b>	
	<b>Kenwood TK272 (01)</b>	<b>X</b>	
	<b>Kenwood TK750 (02)</b>	<b>X</b>	
	<b>Vertex VXR100 (01)</b>	<b>X</b>	

<b><u>Sabattus PW</u></b>	<b>Kenwood TK790 (01)</b>	<b>X</b>	
<b>Not programmed</b>	<b>Kenwood TK760G (03)</b>	<b>X</b>	
<b>Narrowband</b>	<b>Kenwood TK7160 (03)</b>	<b>X</b>	
	<b>Midland 70-336 (01)</b>		<b>X</b>
	<b>Kenwood TK7150 (01)</b>	<b>X</b>	
	<b>Kenwood TK2202 (02)</b>	<b>X</b>	
	<b>Kenwood TK7904 (01)</b>	<b>X</b>	

<b><u>Tri County EMS</u></b>	<b>TAIT 7100 (03)</b>	<b>X</b>	
<b>Not Programmed</b>	<b>GE M3 (02)</b>	<b>X</b>	
<b>Narrowband</b>			

**Androscoggin County Radio Communications Plan**

<b>Public Safety Entity</b>	<b>Make &amp; Model, Quantity (Mobiles, Portables, Base)</b>	<b>Narrowband</b>	
		<b>Yes</b>	<b>No</b>

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<u>Turner FD</u>	Motorola CM3000 (05)	X	
Not Programmed	Motorola M1225 (02)	X	
Narrowband	Vertex VX7200 (01)	X	
	Motorola HT1250 (09)	X	
	Motorola PR400 (05)	X	
	Vertex VXP924 (01)	X	
	Vertex VX201 (16)	X	
	Motorola CDM1250 (01)	X	
	ICOM FR3000 (01)	X	
<u>Turner Rescue</u>	Motorola M1225 (01)	X	
Not Programmed	Kenwood TK790 (02)	X	
Narrowband	Vertex VX7200 (04)	X	
	Motorola HT1250 (07)	X	
	Kenwood TK260 (01)		X
	Kenwood TK280 (02)	X	
	Kenwood TK272 (07)	X	
	Motorola CM300 (01)	X	
<u>Turner PW</u>	Vertex VX2200 (02)	X	
Not Programmed	ICOM ICF121 (08)	X	
Narrowband	Vertex VX2000 (01)	X	
Turner SAD 52	N/A		
<u>St. Mary's</u>	Motorola HT750 (12)	X	
Not Programmed	Motorola SP50 (04)		X
Narrowband	Motorola CP200 (12)	X	
	Motorola CT250 (10)	X	

**Androscoggin County Radio Communications Plan**

<b>Public Safety Entity</b>	<b>Make &amp; Model, Quantity (Mobiles, Portables, Base)</b>	<b>Narrowband</b>	
		<b>Yes</b>	<b>No</b>

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<b><u>United AMB</u></b>	<b>Motorola MCS2000 (19)</b>	<b>X</b>	
<b>Not Programmed</b>	<b>Motorola CP200 (32)</b>	<b>X</b>	
<b>Narrowband</b>	<b>Vertex VX-900V (13)</b>	<b>X</b>	
<b>(in Progress)</b>	<b>Vertex VX-2200 (01)</b>	<b>X</b>	
	<b>Vertex VXR-1000 REP (02)</b>	<b>X</b>	
	<b>Vertex VX-424 (01)</b>		<b>X</b>
	<b>Vertex VX-427 (01)</b>		<b>X</b>
	<b>Motorola PR400 (03)</b>	<b>X</b>	
	<b>Motorola CM300 (03)</b>	<b>X</b>	
	<b>Motorola GP300 (14)</b>		<b>X</b>
	<b>Motorola GP350 (13)</b>		<b>X</b>
	<b>Maxon 4150 (18)</b>		<b>X</b>
	<b>Kenwood TK7180 (02)</b>	<b>X</b>	
	<b>Motorola Maratrac (11)</b>		<b>X</b>
	<b>Motorola XTS-3000 (02)</b>	<b>X</b>	
	<b>Kenwood TK760G (01)</b>	<b>X</b>	
	<b>Ericcson (01)</b>		<b>X</b>
	<b>Motorola P110 (10)</b>		<b>X</b>
	<b>Motorola GP88 (02)</b>	<b>X</b>	
	<b>Vertex VX600V (01)</b>	<b>X</b>	
	<b>TAIT 7100 (02)</b>	<b>X</b>	
	<b>Motorola M400 (01)</b>	<b>X</b>	
	<b>Motorola MTR2000 (01)</b>		<b>X</b>
	<b>Vertex VX4107 (01)</b>		<b>X</b>
	<b>Motorola CM200 (01)</b>		<b>X</b>
	<b>ICOM base (02)</b>	<b>X</b>	

**Androscoggin County Radio Communications Plan**

<b>Public Safety Entity</b>	<b>Make &amp; Model, Quantity (Mobiles, Portables, Base)</b>	<b>Narrowband</b>	
		<b>Yes</b>	<b>No</b>
<u>Wales FD EMA</u>	Kenwood TK760HG (06)	X	
Not Programmed	Kenwood TK7160 (05)	X	
Narrowband	Vertex VX7200 (01)	X	
	Kenwood TK 260 (03)		X
	Kenwood TK272 (05)	X	
	Kenwood TK72170 (06)	X	
	Kenwood TK2180 (01)	X	
	Vertex VXP224 (02)	X	
	Vertex VX454 (05)	X	
	Kenwood TK7180 (01)	X	
	Kenwood TKR750 (01)	X	
	Motorola CM200 (01)	X	
	Motorola 5000 (01)	X	

**Androscoggin County Radio Communications Plan**

## 8. Current Androscoggin Public Safety FCC frequencies per FCC data base

	<b>Type</b>	<b>Callsign</b>	<b>Licensee</b>	<b>File Number</b>	<b>TX State</b>	<b>TX County</b>	<b>Sv #</b>	<b>Freqs</b>	<b>Units</b>	<b>Band</b>
1	FCC Application - Consumated	KWQ530	AMERICAN NATIONAL RED CROSS	0004601060	ME	Androscoggin	PW 0			
2	FCC License - Active	KWQ530	AMERICAN NATIONAL RED CROSS	0004601060	ME	ANDROSCOGGIN	PW 1	1		LOW
3	FCC License - Cancelled	KNIQ336	ANDROSCOGGIN COUNTY OF	0001751253	ME	ANDROSCOGGIN	PW 1	1		VHF
4	FCC License - Active	KNIQ338	ANDROSCOGGIN COUNTY OF	0004476057	ME	ANDROSCOGGIN	PW 1	1		VHF
5	FCC License - Active	KNIQ340	ANDROSCOGGIN COUNTY OF	0004443432	ME	ANDROSCOGGIN	PW 1	1		VHF
6	FCC License - Active	KNIQ361	ANDROSCOGGIN COUNTY OF	0004503790	ME	ANDROSCOGGIN	PW 1	1		VHF
7	FCC License - Cancelled	WNAJ930	ANDROSCOGGIN COUNTY OF	0001895938	ME	ANDROSCOGGIN	PW 2	1		VHF
8	FCC License - Cancelled	WNAJ934	ANDROSCOGGIN COUNTY OF	0001896090	ME	ANDROSCOGGIN	PW 2	1		VHF
9	FCC License - Active	WQBE337	ANDROSCOGGIN COUNTY OF	0004475871	ME	ANDROSCOGGIN	PW 1	1000		VHF
10	FCC Application - Consumated	KNIQ341	ANDROSCOGGIN COUNTY OF MAINE	0004448401	ME	ANDROSCOGGIN	PW 1	1		VHF
11	FCC License - Active	KNIQ341	ANDROSCOGGIN COUNTY OF MAINE	0004448401	ME	ANDROSCOGGIN	PW 1	1		VHF
12	FCC License - Active	KNIQ342	ANDROSCOGGIN COUNTY OF MAINE	0004476139	ME	ANDROSCOGGIN	PW 1	1		VHF
13	FCC License - Cancelled	KNIQ344	ANDROSCOGGIN COUNTY OF MAINE		ME	ANDROSCOGGIN	PW 1	1		VHF
14	FCC License - Cancelled	KNIQ345	ANDROSCOGGIN COUNTY OF MAINE		ME	ANDROSCOGGIN	PW 1	1		VHF
15	FCC License - Active	KNIQ346	ANDROSCOGGIN COUNTY OF MAINE	0004466399	ME	ANDROSCOGGIN	PW 1	1		VHF
16	FCC License - Active	KNIQ349	ANDROSCOGGIN COUNTY OF MAINE	0004466400	ME	ANDROSCOGGIN	PW 1	1		VHF
17	FCC License - Active	KNIQ350	ANDROSCOGGIN COUNTY OF MAINE	0001753700	ME	ANDROSCOGGIN	PW 1	1		VHF
18	FCC License - Active	KNIQ352	ANDROSCOGGIN COUNTY OF MAINE	0001753427	ME	ANDROSCOGGIN	PW 1	1		VHF
19	FCC Application - Consumated	KNIQ358	ANDROSCOGGIN COUNTY OF MAINE	0004545888	ME	ANDROSCOGGIN	PW 1	1		VHF
20	FCC License - Active	KNIQ358	ANDROSCOGGIN COUNTY OF MAINE	0004545888	ME	ANDROSCOGGIN	PW 1	1		VHF
21	FCC Application - Consumated	KNIQ360	ANDROSCOGGIN COUNTY OF MAINE	0004671693	ME	ANDROSCOGGIN	PW 1	1		VHF
22	FCC License - Active	KNIQ360	ANDROSCOGGIN COUNTY OF MAINE	0004671693	ME	ANDROSCOGGIN	PW 1	1		VHF

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23	FCC License - Active	WNAJ913	ANDROSCOGGIN COUNTY OF MAINE	0004475873 ME	ANDROSCOGGIN PW 2	1	VHF
24	FCC License - Active	WNAJ919	ANDROSCOGGIN COUNTY OF MAINE	0004469587 ME	ANDROSCOGGIN PW 2	1	VHF
25	FCC Application - Consumated	WNAJ922	ANDROSCOGGIN COUNTY OF MAINE	0004531869 ME	ANDROSCOGGIN PW 0		
26	FCC License - Active	WNAJ922	ANDROSCOGGIN COUNTY OF MAINE	0004531869 ME	ANDROSCOGGIN PW 2	1	VHF
27	FCC Application - A Granted	WNAJ925	ANDROSCOGGIN COUNTY OF MAINE	0004614893 ME	ANDROSCOGGIN PW 3	1	VHF
28	FCC Application - Consumated	WNAJ925	ANDROSCOGGIN COUNTY OF MAINE	0004614893 ME	ANDROSCOGGIN PW 1	1	VHF
29	FCC License - Active	WNAJ925	ANDROSCOGGIN COUNTY OF MAINE	0004614893 ME	ANDROSCOGGIN PW 2	1	VHF
30	FCC License - Active	WNAJ929	ANDROSCOGGIN COUNTY OF MAINE	0004476141 ME	ANDROSCOGGIN PW 2	1	VHF
31	FCC License - Cancelled	WNAJ938	ANDROSCOGGIN COUNTY OF MAINE	ME	ANDROSCOGGIN PW 2	1	VHF
32	FCC License - Cancelled	WNAJ939	ANDROSCOGGIN COUNTY OF MAINE	ME	ANDROSCOGGIN PW 2	1	VHF
33	FCC License - Active	KB47902	ANDROSCOGGIN, COUNTY OF	0004475874 ME	ANDROSCOGGIN PW 2	1000	VHF
34	FCC License - Expired	KB50933	ANDROSCOGGIN, COUNTY OF	ME	ANDROSCOGGIN PW 1	100	VHF
35	FCC License - Cancelled	KNIQ347	ANDROSCOGGIN, COUNTY OF	ME	ANDROSCOGGIN PW 1	1	VHF
36	FCC License - Active	KNIQ348	ANDROSCOGGIN, COUNTY OF	0004466401 ME	ANDROSCOGGIN PW 1	1	VHF
37	FCC License - Expired	KNIQ354	ANDROSCOGGIN, COUNTY OF	ME	ANDROSCOGGIN PW 1	1	VHF
38	FCC License - Expired	KNIQ355	ANDROSCOGGIN, COUNTY OF	ME	ANDROSCOGGIN PW 1	1	VHF
39	FCC License - Active	KNIQ357	ANDROSCOGGIN, COUNTY OF	0004475869 ME	ANDROSCOGGIN PW 1	1	VHF
40	FCC License - Active	KNIQ362	ANDROSCOGGIN, COUNTY OF	0004475867 ME	ANDROSCOGGIN PW 1	1	VHF
41	FCC License - Active	KT6646	ANDROSCOGGIN, COUNTY OF	0004203613 ME	ANDROSCOGGIN PW 2	40	VHF
42	FCC License - Terminated	KXB482	ANDROSCOGGIN, COUNTY OF	ME	ANDROSCOGGIN PW 1	1	VHF
43	FCC License - Active	WAN363	ANDROSCOGGIN, COUNTY OF	0004192504 ME	ANDROSCOGGIN PW 1	1	VHF
44	FCC License - Active	WNAJ912	ANDROSCOGGIN, COUNTY OF	0004466747 ME	ANDROSCOGGIN PW 2	1	VHF
45	FCC Application - Consumated	WNAJ916	ANDROSCOGGIN, COUNTY OF	0004531868 ME	ANDROSCOGGIN PW 0		
46	FCC License - Active	WNAJ916	ANDROSCOGGIN, COUNTY OF	0004531868 ME	ANDROSCOGGIN PW 2	1	VHF
47	FCC License - Active	WNAJ917	ANDROSCOGGIN, COUNTY OF	0004475872 ME	ANDROSCOGGIN PW 2	1	VHF
48	FCC License - Active	WNAJ920	ANDROSCOGGIN, COUNTY OF	0004469591 ME	ANDROSCOGGIN PW 2	1	VHF
49	FCC License - Active	WNAJ921	ANDROSCOGGIN, COUNTY OF	0004469594 ME	ANDROSCOGGIN PW 2	1	VHF
50	FCC License - Active	WNAJ923	ANDROSCOGGIN, COUNTY OF	0004469598 ME	ANDROSCOGGIN PW 2	1	VHF



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51	FCC License - Active	WNAJ926	ANDROSCOGGIN, COUNTY OF	0004476143 ME	ANDROSCOGGIN PW 2	1	VHF
52	FCC License - Active	WNAJ931	ANDROSCOGGIN, COUNTY OF	0004476142 ME	ANDROSCOGGIN PW 2	1	VHF
53	FCC License - Active	WNAJ932	ANDROSCOGGIN, COUNTY OF	0004454267 ME	ANDROSCOGGIN PW 2	1	VHF
54	FCC License - Active	WNAJ936	ANDROSCOGGIN, COUNTY OF	ME	ANDROSCOGGIN PW 2	1	VHF
55	FCC License - Active	WNRA655	ANDROSCOGGIN, COUNTY OF	0004192505 ME	ANDROSCOGGIN PW 1	1	VHF
56	FCC License - Active	WQBX878	ANDROSCOGGIN, COUNTY OF	0003068972 ME	ANDROSCOGGIN PW 6	40	VHF
57	FCC License - Expired	WQCC954	ANDROSCOGGIN, COUNTY OF	0002031611 ME	ANDROSCOGGIN PW 0	1	
58	FCC License - Expired	WQCC956	ANDROSCOGGIN, COUNTY OF	0002031758 ME	ANDROSCOGGIN PW 0	1	
59	FCC License - Active	KNIQ363	ANDROSCOGGIN, COUNTY OF MAINE	0004562099 ME	ANDROSCOGGIN PW 1	1	VHF
60	FCC License - Active	WPUW429	AUBURN CITY OF	0000834054 ME	ANDROSCOGGIN PW 2	80	UHF
61	FCC License - Active	WPUW537	AUBURN CITY OF	0000836129 ME	ANDROSCOGGIN PW 1	1	MW
62	FCC License - Active	KNAA640	AUBURN LEWISTON AIRPORT	ME	ANDROSCOGGIN PW 1	10	VHF
63	FCC Application - A Granted	KCH506	AUBURN, CITY OF	0004614578 ME	ANDROSCOGGIN PW 0		
64	FCC Application - Consumated	KCH506	AUBURN, CITY OF	0004614578 ME	ANDROSCOGGIN PW 0		
65	FCC License - Active	KCH506	AUBURN, CITY OF	0004614578 ME	ANDROSCOGGIN PW 1	200	VHF
66	FCC License - Active	KCI220	AUBURN, CITY OF	0004541036 ME	ANDROSCOGGIN PW 1	1	VHF
67	FCC License - Active	WAN455	AUBURN, CITY OF	0004541032 ME	ANDROSCOGGIN PW 1	1	VHF
68	FCC License - Active	WNPQ874	AUBURN, CITY OF	0004542286 ME	ANDROSCOGGIN PW 2	40	VHF
69	FCC License - Active	WNRX993	AUBURN, CITY OF	0001852455 ME	ANDROSCOGGIN PW 3	60	VHF
70	FCC License - Active	WPJV991	AUBURN, CITY OF	0004541034 ME	ANDROSCOGGIN PW 1	40	VHF
71	FCC License - Active	WPNY782	AUBURN, CITY OF	0004541035 ME	ANDROSCOGGIN PW 1	100	VHF
72	FCC License - Terminated	KNGJ805	BIRON, MARC	ME	ANDROSCOGGIN PW 1	1	VHF
73	FCC License - Active	KJP317	CENTRAL MAINE MEDICAL CENTER	ME	ANDROSCOGGIN PW 12	1	UHF
74	FCC License - Expired	WPKM380	COMMUNITY EMERGENCY SERVICES DBA C E S AMBULANCE	ME	ANDROSCOGGIN PW 1	20	VHF
75	FCC License - Active	KBK626	DURHAM, TOWN OF	0004185530 ME	ANDROSCOGGIN PW 6	25	UHF
76	FCC License - Active	WQLG674	DURHAM, TOWN OF	0004070139 ME	ANDROSCOGGIN PW 1	12	VHF
77	FCC License - Active	KGR385	GREENE, TOWN OF	0001566305 ME	ANDROSCOGGIN PW 3	1	VHF
78	FCC License - Active	KGW637	GREENE, TOWN OF	ME	ANDROSCOGGIN PW 1	1	VHF

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79	FCC License - Active	WPCI484	GREENE, TOWN OF	0004530627	ME	ANDROSCOGGIN PW 1	10	VHF
80	FCC License - Active	WQIA571	GREENE, TOWN OF	0003251326	ME	ANDROSCOGGIN PW 2	60	VHF
81	FCC License - Active	WYG480	LEEDS, TOWN OF	0003496164	ME	ANDROSCOGGIN PW 2	40	VHF
82	FCC License - Active	WPKE620	LEWISTON HOUSING AUTHORITY		ME	ANDROSCOGGIN PW 1	10	VHF
83	FCC License - Active	KCA849	LEWISTON, CITY OF	0004542285	ME	ANDROSCOGGIN PW 2	40	VHF
84	FCC License - Active	KCD577	LEWISTON, CITY OF	0004541030	ME	ANDROSCOGGIN PW 3	1	VHF
85	FCC License - Active	KCF357	LEWISTON, CITY OF	0004197380	ME	ANDROSCOGGIN PW 4	150	UHF
86	FCC License - Active	KJY641	LEWISTON, CITY OF		ME	ANDROSCOGGIN PW 1	150	VHF
87	FCC License - Terminated	KNCE402	LEWISTON, CITY OF		ME	ANDROSCOGGIN PW 1	1	VHF
88	FCC License - Terminated	KVA475	LEWISTON, CITY OF		ME	ANDROSCOGGIN PW 1	1	VHF
89	FCC License - Active	WPLG552	LEWISTON, CITY OF	0004541031	ME	ANDROSCOGGIN PW 1	30	VHF
90	FCC License - Active	WPNX217	LEWISTON, CITY OF	0004543039	ME	ANDROSCOGGIN PW 1	100	VHF
91	FCC License - Active	WQBZ237	LEWISTON, CITY OF	0001997883	ME	ANDROSCOGGIN PW 1	45	VHF
92	FCC License - Active	WPHQ600	LEWISTON, CITY OF DBA LEWISTON, CITY OF	0004541029	ME	ANDROSCOGGIN PW 1	60	VHF
93	FCC License - Active	WTE398	LISBON EMERGENCY INC	0003996419	ME	ANDROSCOGGIN PW 1	46	VHF
94	FCC License - Expired	KNEZ880	LISBON FALLS SCHOOL DEPARTMENT		ME	ANDROSCOGGIN PW 1	1	VHF
95	FCC License - Active	WQBZ590	LISBON SCHOOL DEPARTMENT	0004230842	ME	ANDROSCOGGIN PW 1	20	VHF
96	FCC License - Expired	WQBU274	LISBON SCHOOL DEPT.	0001969251	ME	ANDROSCOGGIN PW 1	1	VHF
97	FCC License - Expired	KGX941	LISBON, TOWN OF		ME	ANDROSCOGGIN PW 1	32	VHF
98	FCC License - Active	KGX942	LISBON, TOWN OF	0001776149	ME	ANDROSCOGGIN PW 3	30	VHF
99	FCC License - Active	KJI411	LISBON, TOWN OF		ME	ANDROSCOGGIN PW 1	1	VHF
100	FCC License - Active	WPVQ903	LISBON, TOWN OF	0001097588	ME	ANDROSCOGGIN PW 1	10	UHF
101	FCC License - Expired	KBJ981	LIVERMORE FALLS, TOWN OF		ME	ANDROSCOGGIN PW 2	50	VHF
102	FCC License - Active	KBM802	LIVERMORE FALLS, TOWN OF	0003896064	ME	ANDROSCOGGIN PW 4	50	VHF
103	FCC License - Expired	KZR463	LIVERMORE FALLS, TOWN OF		ME	ANDROSCOGGIN PW 2	50	VHF
104	FCC License - Expired	WGJ972	LIVERMORE FALLS, TOWN OF		ME	ANDROSCOGGIN PW 1	1	VHF
105	FCC License - Expired	WPYN289	LIVERMORE FALLS, TOWN OF	0001448049	ME	ANDROSCOGGIN PW 2	50	VHF
106	FCC License - Expired	WPYN290	LIVERMORE FALLS, TOWN OF	0001448116	ME	ANDROSCOGGIN PW 2	50	VHF
107	FCC License	WQAA897	LIVERMORE FALLS,	0003896065	ME	ANDROSCOGGIN PW 2	50	VHF

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108	- Active FCC License - Active	WQAC503	TOWN OF LIVERMORE FALLS, TOWN OF	0003896067	ME	ANDROSCOGGIN PW 2	50	VHF
109	FCC License - Active	KHG34	MAINE TURNPIKE AUTHORITY		ME	ANDROSCOGGIN PW 1	1	VHF
110	FCC License - Active	KHG35	MAINE TURNPIKE AUTHORITY		ME	ANDROSCOGGIN PW 1	1	VHF
111	FCC License - Active	KHG36	MAINE TURNPIKE AUTHORITY		ME	ANDROSCOGGIN PW 1	1	VHF
112	FCC License - Active	KHW89	MAINE TURNPIKE AUTHORITY		ME	ANDROSCOGGIN PW 1	1	VHF
113	FCC License - Expired	WPUY929	MAINE TURNPIKE AUTHORITY	0000903895	ME	ANDROSCOGGIN PW 1	1	LOW
114	FCC License - Active	WPVS949	MAINE TURNPIKE AUTHORITY	0000903910	ME	ANDROSCOGGIN PW 1	1	LOW
115	FCC License - Active	WPWW259	MAINE TURNPIKE AUTHORITY	0001088626	ME	ANDROSCOGGIN PW 1	1	VHF
116	FCC License - Expired	KIB678	MAINE, STATE OF		ME	ANDROSCOGGIN PW 1	1	VHF
117	FCC License - Expired	KNHS738	MAINE, STATE OF		ME	ANDROSCOGGIN PW 1	1	VHF
118	FCC License - Active	KCH397	MAINE, STATE OF; OFFICE OF INFORMATION TECHNOLOGY	0003344087	ME	ANDROSCOGGIN PW 4	1	VHF
119	FCC License - Active	KNED297	MAINE, STATE OF; OFFICE OF INFORMATION TECHNOLOGY		ME	ANDROSCOGGIN PW 1	1	VHF
120	FCC License - Active	WNPI572	MAINE, STATE OF; OFFICE OF INFORMATION TECHNOLOGY		ME	ANDROSCOGGIN PW 1	1	VHF
121	FCC License - Active	WQJM546	MAINE, STATE OF; OFFICE OF INFORMATION TECHNOLOGY	0003475154	ME	ANDROSCOGGIN PW 4	100	VHF
122	FCC License - Active	KCD549	MECHANIC FALLS, TOWN OF	0004201977	ME	ANDROSCOGGIN PW 6	125	VHF
123	FCC License - Expired	KUZ707	MECHANIC FALLS, TOWN OF		ME	ANDROSCOGGIN PW 1	1	VHF
124	FCC License - Active	KD50099	MECHANICS FALLS, TOWN OF		ME	ANDROSCOGGIN PW 4	15	UHF
125	FCC License - Active	WSU295	MINOT TOWN OF	0004554656	ME	ANDROSCOGGIN PW 4	100	VHF
126	FCC License - Active	KNDW262	MINOT, TOWN OF	0004138105	ME	ANDROSCOGGIN PW 1	12	VHF
127	FCC License - Active	WNIX699	NATIONAL SKI PATROL SYSTEM INC		ME	ANDROSCOGGIN PW 3	50	VHF
128	FCC License - Active	KCG567	NEW GLOUCESTER, TOWN OF	0004118785	ME	ANDROSCOGGIN PW 2	1	VHF
129	FCC License - Active	WQDV329	POLAND SCHOOL DEPARTMENT	0002357356	ME	ANDROSCOGGIN PW 2	30	VHF
130	FCC License - Active	WQCC588	POLAND TOWN OF	0002027245	ME	ANDROSCOGGIN PW 2	65	VHF
131	FCC License - Active	WPDY393	POLAND, TOWN OF	0003990730	ME	ANDROSCOGGIN PW 3	50	UHF
132	FCC Application - Granted in		RSU 4	0004752356	ME	ANDROSCOGGIN PW 1	20	VHF

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Part								
133	FCC License - Active	KNHM999	SABATTUS TOWN OF	0004370164	ME	ANDROSCOGGIN PW 4	40	UHF
134	FCC License - Active	KNGD402	SABATTUS, TOWN OF	0004549842	ME	ANDROSCOGGIN PW 4	10	VHF
135	FCC License - Expired	WPFC545	SABATTUS, TOWN OF		ME	ANDROSCOGGIN PW 1	20	VHF
136	FCC License - Active	WPLS998	SABATTUS, TOWN OF	0004370069	ME	ANDROSCOGGIN PW 2	15	UHF
137	FCC License - Active	WQMY975	SABATTUS, TOWN OF	0004451480	ME	ANDROSCOGGIN PW 1	25	VHF
138	FCC License - Active	WPCG949	SCHOOL UNION 44		ME	ANDROSCOGGIN PW 3	12	UHF
139	FCC License - Expired	WPLZ883	ST MARYS REGIONAL MEDICAL CENTER		ME	ANDROSCOGGIN PW 2	1	VHF
140	FCC License - Active	WQBY471	STATE OF MAINE, DEPARTMENT OF TRANSPORTATION	0001919546	ME	ANDROSCOGGIN PW 1	200	VHF
141	FCC License - Active	KVA757	TURNER, TOWN OF	0004089450	ME	ANDROSCOGGIN PW 1	1	VHF
142	FCC License - Active	WPPG500	TURNER, TOWN OF	0004089449	ME	ANDROSCOGGIN PW 2	50	VHF
143	FCC License - Active	KNGC652	UNITED AMBULANCE		ME	ANDROSCOGGIN PW 2	1	VHF
144	FCC License - Active	WPFA588	UNITED AMBULANCE SERVICE		ME	ANDROSCOGGIN PW 1	30	VHF
145	FCC License - Expired	KNBL359	WALES, TOWN OF		ME	ANDROSCOGGIN PW 4	30	VHF
146	FCC License - Active	WQDV748	WALES, TOWN OF	0004330266	ME	ANDROSCOGGIN PW 4	30	VHF

## **APPENDIX 1**

### **FCC Narrowbanding Requirements**

- ☐ Most current radio systems use 25 kHz-wide channels.
- ☐ The FCC has mandated that all licensees using 25 kHz radio systems migrate to narrowband 12.5 kHz channels by January 1, 2013.
- ☐ The order affects systems on VHF and UHF channels between 150 and 512 MHz
- ☐ Licensees that do not meet the deadline face the loss of license.
- ☐ Application for modification of operations that expand the authorized contour of an existing station using 25 KHz channels will NOT be accepted after January 1, 2011. (Also applies to "new" systems submitted for licensing.)
- ☐ Manufacture and importation of any equipment on 25 KHz channel will NOT be permitted after January 1, 2011.
- ☐ Part 90 "paging-only" frequencies are exempt from this ruling.
- ☐ Low Band VHF systems BELOW 150 MHz are not affected by this ruling.
- ☐ Licensees need to start planning now to migrate to narrowband systems by assessing their current radio equipment and applying for new or modified licenses.

## Narrowband RADIO GUIDE

-Existing Radios that meet new Narrowband Rule (12.5 KHz spacing)

**These radios can be reprogrammed to narrowband :**

**Portables: Motorola:** P1225, HT1000, MT2000, MTS2000, JT1000; HT750, HT1250, EX500, EX600, XTS Series, CP200, CP150, PR400, PR860, PR1500, MT1500, CP185, CP110. **Kenwood:** NX200, TK5210, TK272G, TK290, TK2140, TK2180, TK230ZVK; (Following models must have "N" suffix) TK240N, TK250N, TK260N. **Icom:** IC-F50, IC-F11, IC-F14, ICF3G, IC-F3021, IC-F33G, IC-F30GS. **Vertex:** VX-160, VX-180, VX-210, VX-310, HX292UT, VX-400, VX-510, VX-800, VX900, VX600; VX-231, VX-350, VX-410-420; VX510/537, VX-820, VX-920, VX-P820, VX-P920.

**Mobiles: Motorola:** M1225, Astro, CM200, CM300, PM400, CDM750, CDM1250, CDM1550, XTL Series (all), PM1500. **Kenwood:** NX700, TK762, TK2160, TK2170, TK5710, TK7102H, TK7150, TK7160, TK7180. **Icom:** IC-F121, IC-F5021, IC-F521, IC-F721, IC-F5021. **Vertex:** VX-2100/2200, VX-4100/4200, CNT-5000, VX-5500, VX-6000, VX-7100/7200, VX-2000, VX-2500, VX-3000, VX-3200, VX-4000.

**Base/Repeaters: Motorola:** XPR8300, R1225, MTR2000, **Kenwood:** NXR7000, TKR750, TKR(B)751, TKR7400, TKR7500. **Icom:** IC-FR3000, IC-FR5000, IC-F121S. **Vertex:** VXR7000, VXR9000, VXR1000.

**These radios cannot be programmed to narrowband:**

**Portables: Motorola:** HT600, MT1000, GP300, GP350, P100, P110, Saber, P200, SP50, HT50.

**Kenwood:** Any radio with "W" suffix: TK240W, TK250W, TK260W. **Vertex:** FTH-2070, FTH-7009, VX-200, VX-300, VX-500.

**Mobiles: Motorola:** Maxtrac, Maratrac, GM300, M100, M216, M208, SM50, Syntor, Spectra, Micor, Mitrek. **Kenwood:** Any radio with "W" suffix: TK702W, TK705W, YK760W, TK740W, etc. **Vertex:** FTL-2011, FTL-7011, VXR-5000.

**Base/Repeaters: Motorola:** MSR5000, MSF5000, R100, Desktrac. **Kenwood:** TKR720, TKR740.

## **CONOPS and MEMA Frequencies for Interoperability**

### **CONOPS Frequencies:**

**CONOPS 1.** Statewide State Police **154.7100** MHz

**CONOPS 2.** Nationwide Car-to-Car **155.4750** MHz

**CONOPS 3.** Emergency Medical Services **155.1600** MHz / Land - Air Search and Rescue (LASAR)

**CONOPS 4.** State Police Car-Car **154.9350** MHz

**CONOPS 5.** Statewide Fire **154.3100** MHz

**CONOPS 6.** Statewide Car-Car **154.6950** MHz

### **MEMA Repeater Frequencies:**

#9 Mountain TX: **160.1400** MHz RX: **159.7050** MHz TX PL: **110.9** Hz

Cadillac TX: **160.1400** MHz RX: **159.7050** MHz TX PL: **192.8** Hz

Cooper TX: **160.1400** MHz RX: **159.7050** MHz TX PL: **151.4** Hz

Granite TX: **160.1400** MHz RX: **159.7050** MHz TX PL: **127.3** Hz

Harris TX: **160.1400** MHz RX: **159.7050** MHz TX PL: **118.8** Hz

Huntoon TX: **160.1400** MHz RX: **159.7050** MHz TX PL: **162.2** Hz

Ossipee TX: **160.1400** MHz RX: **159.7050** MHz TX PL: **103.5** Hz

Passadumkeag TX: **160.1400** MHz RX: **159.7050** MHz TX PL: **146.2**

Spruce TX: **160.1400** MHz RX: **159.7050** MHz TX PL: **179.9** Hz

### **Technical Limits:**

Occupied bandwidth: **12.5** kHz

Transmitter Power Output: **50** watts

Effective Radiated Power: **100** watts

Modulation Type / Nature: .Frequency Modulation

.Maximum deviation: +/- 2.5 kHz

.Single channel, analog modulation

.Telephony only

Note: The 4th decimal place after the TX and RX infers a narrow banded frequency. TX information is for mobile and portable programming